



PO No	Supplier	Line Item No	Ref No	Terms	Purchased Item	Description	For Part No	Project	Equipment ID	Order Qty	Due Date	Received Quantity	Accounting Job No	Serial No	Status	Receive Date	Price/Unit	Aging Days	Past Due	T
PO039023	MES002-VC	1	1	Net 30	M304B0.250x0.500	304 Bar .250 X .500 : MATERIAL: AISI 304/316 SS BAR OR AISI 304/316 SS PLATE AS PER ASTM A276 OR ASTM A240 NOTE: AISI 303 NOT ACCEPTABLE receive ft				400	2/20/2018	442	S044498	Stock	2/22/2018	\$ 4.05 / ft	0		\$1,	
										Total:	400		442							

Plex 2/22/2018 8:14 AM Dart.Dubois.Pascal

METAUX SOLUTIONS INC  
2625 BOUL JACQUES CARTIER EST  
LONGUEUIL, QUEBEC  
J4N 1L7      Tel. : 450 641-3330

Shipping Order

19/02/2018

Order : 132676  
Reference : 39023  
Ship : PICK UP / PICK UP

Customer: 6323336

DART AEROSPACE LTD  
1270, ABERDEEN STREET  
HAWKESBURY, ONTARIO  
K6A 1K7

Ship To

Same

Tel.: 1 613 632-3336

Item No.	Description	Qty	Qty. Delivered	B/O Qty
SF14124HR	***** FACTURER E-MAIL ***** SUPER IMPORTANT SUR LE PACKING SLIP INSCRIRE LES HEAT N 304 STAIN FLA .25" X .500" HR 34 x 13' r/l ***** HT;67645074 HT;67736108	442	442	0

ship journey collect  
jp

3 SKIDS      2-20-18  
SL 786

Shipping : \_\_\_\_\_  
ackage No. : \_\_\_\_\_  
Merchandise Received: \_\_\_\_\_

Ref. : \_\_\_\_\_

## Shipping Order

19/02/2018

METAUX SOLUTIONS INC  
 2625 BOUL JACQUES CARTIER EST  
 LONGUEUIL, QUEBEC  
 J4N 1L7                    **Tel.:** 450 641-3330

**Order** : 132676  
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ship journey collect

jp

**Shipping** : \_\_\_\_\_  
**Package No** : \_\_\_\_\_

**Ref.** : \_\_\_\_\_

**Merchandise Received:** \_\_\_\_\_



Dart Aerospace Ltd.  
1270 Aberdeen St  
Hawkesbury, ON  
K6A 1K7  
Canada

Tel (613) 632-5200

**PURCHASE ORDER  
PO039023**

<b>Supplier:</b>	MES002-VC Metaux Solutions 2625 boul Jacques-Cartier Est Longueuil QC J4N 1L7 Canada Phone: 800 558 8858 Fax: 514 633 8044	<b>PO No:</b>	PO039023
		<b>PO Date:</b>	2/13/18
		<b>Due Date:</b>	2/20/18
		<b>Purchase Order Revision:</b>	
		<b>Revision Date:</b>	
		<b>Ship-To Contact:</b>	Lavoie, Chantal Phone: clavoie@dartaero.com
<b>Ship To:</b>	1270 Aberdeen Street Hawkesbury ON K6A 1K7 Canada Phone: 613-632-5200	<b>Via:</b>	Ground
		<b>Pymt Terms:</b>	Net 30
		<b>Freight Terms:</b>	
		<b>Special Comments:</b>	

E-MAILED  
FEB 13 2018

Items										
Line Item	Part	Supplier Part No	Description	Status	Due Date	Order Quantity	Received Quantity	Balance	Unit Price (CAD)	Extended Price
1	M304B0.250x0.500		304 Bar .250 X .500 : MATERIAL: AISI 304/316 SS BAR OR AISI 304/316 SS PLATE AS PER ASTM A276 OR ASTM A240 NOTE: AISI 303 NOT ACCEPTABLE receive ft	Firmed	2/20/18	400 ft	0 ft	400 ft	\$4.0521/ft	\$1,620.84
							441		DAS 11	FEB 22 2018
							9-89			Grand Total: \$1,620.84

**Order Notes**

Procurement Quality Clauses

- A005 right of entry
- A012 chemical and physical test report
- A016 personnel qualification
- A017 raw material identification (as applicable)
- A026 certification of material conformance
- A041 quality management system
- A042 dart notification by supplier
- A043 retention of quality documents

A048 counterfeit parts avoidance, detection, mitigation and disposition program

A049 supplier awareness

Terms & Condition of Purchasing(Suppliers) and Procurement Quality Clauses are an integral part of our AS9100 requirements. To learn in detail, please visit [www.dartaerospace.com](http://www.dartaerospace.com) for further explanation.

Plex 2/13/18 7:21 AM dart.lavoie.chantal



Dart Aerospace Ltd.  
1270 Aberdeen St  
Hawkesbury, ON  
K6A 1K7  
Canada

Tel (613) 632-5200

## PURCHASE ORDER PO039023

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		<b>PO Date:</b>	2/13/18
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		<b>Purchase Order Revision:</b>	
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		<b>Ship-To Contact:</b>	Lavoie, Chantal Phone: clavole@dartaero.com
<b>Ship To:</b>	1270 Aberdeen Street Hawkesbury ON K6A 1K7 Canada Phone: 613-632-5200	<b>Via:</b>	Ground
		<b>Pymt Terms:</b>	Net 30
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		<b>Special Comments:</b>	

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Grand Total: \$1,620.84

### Order Notes

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Plex 2/13/18 7:21 AM dart.lavoie.chantal

# MATERIAL RECEIPT INSPECTION FORM

MATERIAL: M304B0.250x0.300  
 DATE: FEB 22 2018

PO / BATCH NO.: 039023

MATERIAL CERT REC'D: YES  
 QUANTITY RECEIVED: 442  
 QUANTITY INSPECTED: 442  
 QUANTITY REJECTED: 0

THICKNESS ORDERED: 0.250  
 THICKNESS RECEIVED: 0.250  
 SHEET SIZE ORDERED: N/A  
 SHEET SIZE RECEIVED: N/A

DESCRIPTION	NCR (Check Y/N)	COMMENTS
SURFACE DAMAGE	Y <input checked="" type="checkbox"/> N	
CORRECT FINISH	Y <input checked="" type="checkbox"/> N	
CORROSION	Y <input checked="" type="checkbox"/> N	
CORRECT GRAIN DIRECTION	Y <input checked="" type="checkbox"/> N	
CORRECT MATERIAL PER M-DRAWING	Y <input checked="" type="checkbox"/> N	<i>As per A276</i>
CORRECT THICKNESS	Y <input checked="" type="checkbox"/> N	
PHOTO REQUIRED	Y <input checked="" type="checkbox"/> N	
CORRECT REF # TO LINK CERT	Y <input checked="" type="checkbox"/> N	<i>Heat # 67645074-67736108</i>
CORRECT MATERIAL IDENTIFICATION	Y <input checked="" type="checkbox"/> N	
CORRECT M# ON THE MATERIAL	Y <input checked="" type="checkbox"/> N	
DOES THIS MATERIAL REQUIRE ENGINEERING SIGN OFF	Y <input checked="" type="checkbox"/> N	
DOES THIS REQUIRE AN EXTRUSION REPORT	Y <input checked="" type="checkbox"/> N	

CUT SAMPLE PIECE OF MATERIAL AND PERFORM A HARDNESS CHECK. RECORD RESULTS BELOW					
TYPE OF MATERIAL SIZE OF TEST SAMPLE HARDNESS / DUROMETER READING	HRC	HRB	DUR A	DUR D	WEBSTER

*testers located in the Quality Office*

QC 18 INSPECTION		ENGINEERING SIGNOFF (if required)
INSPECTED BY:	<u>DAS</u> <u>11</u> <u>9-89</u>	SIGNED OFF BY: _____
DATE:	<u>FEB 22 2018</u>	DATE: _____

Attach this inspection sheet with the corresponding material cert and remit to be scanned and received in

# SPECIFICATION CONTROL DRAWING

△ PURCHASE MATERIAL: AISI 304/316 SS BAR OR AISI 304/316 SS PLATE  
(NOTE: AISI 303 NOT ACCEPTABLE)

△ SPECIFICATION: ASTM A276 OR ASTM A240

PART NUMBER: M304BT-1TT | THICK | WWW/WWW | WIDTH

WHERE "T,TTT" = THICKNESS IN INCHES  
AND "WW/WWW" = WIDTH IN INCHES

EG. 0.5" X 3.0" BAR = M304B0.500X03.000

EG. 0.5" X 12.0" PLATE = M304B0.500X12.000

△ PURCHASE MATERIAL: AISI 304/316 SS BAR OR AISI 304/316 SS PLATE  
(NOTE: AISI 303 NOT ACCEPTABLE)

△ SPECIFICATION: ASTM A276 OR ASTM A240

PART NUMBER: M304BT-1TT | THICK | WWW/WWW | WIDTH

WHERE "T,TTT" = THICKNESS IN INCHES  
AND "WW/WWW" = WIDTH IN INCHES

EG. 0.5" X 3.0" BAR = M304B0.500X03.000

EG. 0.5" X 12.0" PLATE = M304B0.500X12.000

△ DRAFTERS  
2010-11-30

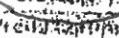
DRAFTERS			
REV.	DESCRIPTION	BY	DATE
C	ADDED PLATE TO PURCHASE MATERIAL, ADDED PLATE RELATED SPECIFICATIONS, AND EG. CHANGED TITLE FROM 304/316 BAR TO 304/316 BAR/PLATE.	MB	10.11.25
B	REFORMAT DWG. ADD SPECS (ZN D6-1), REF PART 08-020A	CP	09.07.15
A	NEW ISSUE	PH	05.08.10

DRAFTERS			
REV.	DESCRIPTION	BY	DATE
A	DART AEROSPACE LTD	HAWKESBURY, ONTARIO, CANADA	
	DRAWING NO.		REV. C
	M304B		SHEET 1 OF 1
	TITLE		SCALE
	304/316 BAR/PLATE		NS
	DATE 10.11.25		

△ DRAFTERS

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 Bollinghaus Steel, SA DIN EN ISO 9001:2008 TÜV CERT No. 01 100 080458		Abnahmeprüfzeugnis/Mill Test Certificate/Certif. de Qualidade								No.: / Nr.: / Nr.:					
		EN 10204:2004 / 3.1								0000136628					
		Unsere Innere Verweisung / Our Int. Ref. N/ ref int								Datum / Date / Data					
		5600038278 000010								19.12.2017					
Spezifikation / Standards / Normas															
TYPE 304/UNS S30400 and TYPE 304L/UNS S30403 acc. to ASTM A276/A276M-16a, ASTM A182/A182M-16a, ASTM A193/A193M-16, ASTM A479/A479M-16a, ASTM A320/A320M-16a, ASTM A314-15, ASTM A282-16 Pract. E, AMS QQ-S-783D, AMS 5839J, AMS 5847K, ASME SA479/SA479M, ASME SA276, ASME SA182/182M, ASME SA 193/SA193M, ASME SA320/SA320M, NACE MR0175-2015, execution as per ASTM A484/A484M-16.															
Kunde / Customer / Cliente						Endgültiger Kunde / Final Customer / Cliente Final									
Bestell Nr./Order Nr./Enc.Nr. c110766						Bestell Nr./Order Nr./Enc.Nr. c110766.1									
Produktgruppe / Product Group / Grupo Produto				Gewicht / Weight / Peso				Bunde / Bundle / Atados							
AISI 304/L FLAT 1/4 X 1/2"				1.059 lb				01							
Werkstoff-Nr. Material-no. Qualidade		Werkstoff-Normbezeichnung / Material standard grade / Norma do material X 2 CrNi 18-9													
Beschreibung / Description / Descrição															
Stainless steel flat bars, hot rolled, heat treated, straightened and pickled US DFAR 252.225-7009: MELT SOURCE: France / MFG: Portugal															
Schmelzen Nr. Gest. nr./Peso nr.		Chemische Analyse in % / Chemical composition in % / Analise química em %													
67736108		C	0.018	Si	0.526	Mn	1.154	P	0.029	S	0.025	Cr	18.127	Ni	8.045
EAF+AOD		Mo	0.376	Co	0.117	Cu	0.408	N	0.080	Ti	0.002	-	-	-	-
Proben Nr. Test no. Amostra no.		ASTM E399			ASTM A370										
		Kerbschlagarbeit Impact Test Resistência	Streckgrenze Yield point Tensão limite	Dehngrenze 1% point Limite de extensão	Zugfestigkeit Tensão de estresse Tensão de rotura	Dehnung Elongation Aalongamento			Einschmelzung Reduction of area Coef. Estrição						
		(Charpy V)	Rp 0,2 %	Rp 1,0 %	Rm	A5	40	Z							
		[J]	[Ksi]	[Ksi]	[Ksi]	[%]	[%]	[%]							
4038851.01.01		-	48	57	83	53.9	55.4	70.1							
Visuelle Kontrolle Visual Inspection Inspeção visual		<input checked="" type="checkbox"/> Ok	ASTM E10			ASTM A262 Practice E			Wärmebehandlung Heat treatment Tratamento térmico						
ASTM A484 Maßkontrolle Dimensional inspection Inspeção dimensional		<input checked="" type="checkbox"/> Ok	Härte Hardness Dureza	195	[HB]	Korrosionsbeständigkeit IC Test Corrosive interstitials	<input checked="" type="checkbox"/> Ok				Annealed Quenched 1800 °F (1050 °C) (water quenched)				
Verwechslungsprüfung Test of identity Teste de identificação		<input checked="" type="checkbox"/> Ok	Korngröße Grain size Tamanho de grão	9		Abstimmbeauftragter Authorized inspection representative Inspector de Qualidade									
						396									
Bemerkungen / Remarks / Observações		Bollinghaus Steel, SA													
Country of origin: Portugal. No weld repair done. Material is free of mercury and radiation contamination.		Hiermit bestätigen wir, dass das Material der oben genannten Spezifikation entspricht. We confirm that this material meets the specification according the mentioned standards. Confirmamos que este material respeita as especificações de acordo com as normas referidas.													

 Bollinghaus Steel, SA DIN EN ISO 9001:2008 TÜV CERT No. 01 100 030458		Abnahmeprüfzeugnis/Mill Test Certificate/Certif. de Qualidade EN 10204:2004 / 3.1 Unsere Innere Verweisung / Our Int. Ref. N/ ref int 5600034598 000060							Nr. / Nr. / Nr.: 0000127387						
									Datum / Date / Data 11.04.2017						
<b>Normen / Standards / Normas</b>															
TYPE 304/UNS S30400 and TYPE 304L/UNS S30403 acc. to ASTM A276/A276M-18a, ASTM A182/A182M-16a, ASTM A183/A193M-16, ASTM A478/A478M-16, ASTM A320/A320M-15L, ASTM A314-15, ASTM A262-15 Pract. E, AMS QQ-S-763D, AMS 6639H, AMS 5647J, ASME SA479/SA479M: ASME SA276, ASME SA182/182M, ASME SA 183/SA183M, ASME SA320/SA320M, NACE MR0175-2015, execution as per ASTM A44/A44M-16.															
<b>Kunde / Customer / Cliente</b>					<b>Endgültiger Kunde / Final Customer / Cliente Final</b>										
Bestell-Nr./Order-Nr./Enc.Nr. <b>C107839</b>					Bestell-Nr./Order-Nr./Enc.Nr. <b>C107839.01</b>										
<b>Produktgruppe / Product Group / Grupo Produto</b> <b>AISI 304L FLAT 1/4 X 1/2"</b>					<b>Gewicht / Weight / Peso</b> <b>2.116 lb</b>			<b>Bunde / Bundle / Atados</b> <b>02</b>							
Werkstoff-Nr. Material no. Qualität					Werkstoff-Normbezeichnung / Material standard grade / Norma do material <b>X 2 CrNi 18-9</b>										
<b>Beschreibung / Description / Descrição</b>															
Stainless steel flat bars, hot rolled, heat treated, straightened and pickled.															
US-DFAR 252.225-7009. MELT SOURCE: France / MFG: Portugal.															
Schmelzen-Nr. Gart. nr. / Puddle nr.															
<b>Chemische Analyse in % / Chemical composition in % / Análise química em %</b>															
		C	0.023	Si	0.540	Mn	1.068	P	0.028	S	0.022	Cr	18.188	Ni	8.072
<b>EAF/RAOD</b>		Mo	0.418	Co	0.146	Cu	0.426	N	0.100	Ti	0.001	-	-	-	-
Prüfungs-Nr. Test no. Amostra no.		<b>ASTM E399</b>			<b>ASTM A370</b>										
		Kerbschlagarbeit Impact Test Resilience		Brechkurve Yield point Tensile limite	Dehngrenze 1% point Limite de extensão	Zugfestigkeit Tensile strength Tensão de retura	Dehnung- Elongation Aloagamento	Einschmelzung Reduction of area Coef. Estricão							
		(Charpy V)  [J]		Rp 0,2 %  [KJ]	Rp 1,0%  [KJ]	Rm	A5	40	Z						
4034888.01:01		48.6	56.7	93.1	54.6	57.5	70.5								
Verarbeitungskontrolle welding inspection Inspeção visual		<b>ASTM E10</b> Härte Hardness Dureza [HB]			<b>ASTM A262 Practice E</b> Korrosionsbeständigkeit IC Test Corroção Interfótona			Wärmebehandlung Heat treatment Tratamento térmico							
Abmessungs- Dimensional inspection Inspeção de dimensões		<b>ASTM E112</b> Korngrösse Grain size Tamano do grão			Werkzeugverständiger Quality Control Representative Inspector de Qualidade			Annealed Quenched 1800 °F (1050 °C)  (water quenched)							
Verzerrungsprüfung Test of tensile Teste de tensão		Makroskopische Untersuchung Macrographic test			Nuno S. Silva (n. NS)										
Bemerkungen / Remarks / Observações										<b>Bollinghaus Steel, SA</b>					
Country of origin: Portugal. No weld repair done. Material is free of mercury and radiation contamination.										Hiermit bestätigen wir, dass das Material der oben genannten Spezifikation entspricht. We confirm that this material meets the specification according to the mentioned standards. Confirmamos que este material respeita as especificações de acordo com as normas referidas.					
[20 KPP]															